

UNCLASSIFIED

Intel Client Installation Procedures

Intel Client 2.0

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Individual paragraph markings are not required.**

July 1999

**Prepared for:
Marine Corps Tactical Systems Support Activity (MCTSSA)**

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Intel Client Installation Procedures

Intel Client 2.0

Windows NT 4.0

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Camp Pendleton, CA 92055**

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Section 1. Installing the Intel Client Software



Purpose, 1-2

System Configuration, 1-2

1.1 Purpose

This document details how to install the Intel Client software on to an Intel/Ops workstation. Once the Intel Client tools are installed on your computer, you will have access to intelligence data, but will not be burdened with excessive maintenance or administration tasks.

1.2 System Configuration

Before installing Intel Client software on to your workstation, make sure you have met the following requirements:

- Microsoft Windows NT workstation 4.0 or later with C2PC (Command and Control PC) version 5.0.1.0 or later installed.
- Logged on to your workstation as the System Administrator.
- An established Intelligence Shared Data Server (ISDS).
- A route between your workstation and the ISDS.

The Intel Client software allows you to configure your system in three different ways:

- Intelligence Data Management Services (IDMS) workstation – Stores intelligence data on the workstation. Allows updating and viewing of intelligence data.
- Intelligence Analyst workstation – Does not store intelligence data. Allows updating of intelligence data stored on an IDMS or ISDS.
- Intelligence Consumer workstation – Does not store intelligence data. Allows viewing of intelligence data stored on an IDMS or ISDS. Cannot update intelligence data.

Depending upon how you configure your system, you will install different software components. The following table details the software that must be installed for each configuration:

Table 1. Intel Client Software Components

Name	CD-ROM Name	Purpose	Used in
Command and Control PC (C2PC)	C2PC	Provides mapping and track management.	<ul style="list-style-type: none">• All configuration
Sybase Adaptive Server Anywhere 6.0	Sybase SQL Anywhere Studio	Manages the persistent storage of intelligence data.	<ul style="list-style-type: none">• IDMS configuration
Intel Client	MAGTF Intel Client	Collection of tools used to analyze, update, and view intelligence data.	

Intel Client Installation Procedures

Name	CD-ROM Name	Purpose	Used in
Intel Update	MAGTF Intel Client	Used to make updates to intelligence data.	<ul style="list-style-type: none">• IDMS configuration• Intelligence Analyst configuration
Query Tools	MAGTF Intel Client	Used to view a specific portion of intelligence data.	<ul style="list-style-type: none">• IDMS configuration• Intelligence Consumer configuration
Visualization Tools	MAGTF Intel Client	Used to view and filter intelligence data.	<ul style="list-style-type: none">• IDMS configuration• Intelligence Consumer configuration
GMI Database File	MAGTF Intel Client	Contains the structures for an intelligence database.	<ul style="list-style-type: none">• IDMS configuration
Sybase Anywhere 6.0 ODBC	MAGTF Intel Client	Used to connect to and communicate with data sources.	<ul style="list-style-type: none">• All configurations
Sybase Open Client	MAGTF Intel Client	Used to connect to and communicate with data sources.	<ul style="list-style-type: none">• All configurations

Your commander will specify how you are to configure your workstation. The following sections detail the features and loading procedures for each configuration type.

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Section 2. IDMS Configuration



Installing Sybase Adaptive Server Anywhere, 2-2

Installing the Intel Client, 2-9

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Configuring as an Intelligence Data Management Services (IDMS) workstation allows other intelligence workstations to connect to your workstation. An IDMS workstation stores intelligence data and can be used to view, analyze, and modify intelligence data. Workstations that connect to an IDMS can view and modify the data stored there.

The procedures to configure your workstation as an IDMS are in the following sections.

2.1 Installing Sybase Adaptive Server Anywhere

To configure your workstation as an IDMS, you will first need to install the Sybase Adaptive Server Anywhere (ASA) 6.0 software. This software manages the storage of intelligence data on your workstation. If you already have Sybase ASA 6.0 installed, skip ahead to Section 2.2, Installing the Intel Client.

The Sybase ASA software is located on the Sybase SQL Anywhere Studio CD-ROM. This CD-ROM contains software that guides you through the installation process. The process to install ASA is broken into two parts.

Before starting the installation, make sure that you have the serial number for the Sybase SQL Anywhere Studio CD-ROM. You will need to provide the serial number during the installation.

→ To install Sybase ASA 6.0:

Part One

Step 1. Close all applications currently running. Make sure that C2PC is not running.

Step 2. Insert the Sybase SQL Anywhere Studio CD-ROM into the CD-ROM drive.

The installation program will launch automatically. The Sybase SQL Anywhere Welcome window appears (see Figure 2-1).

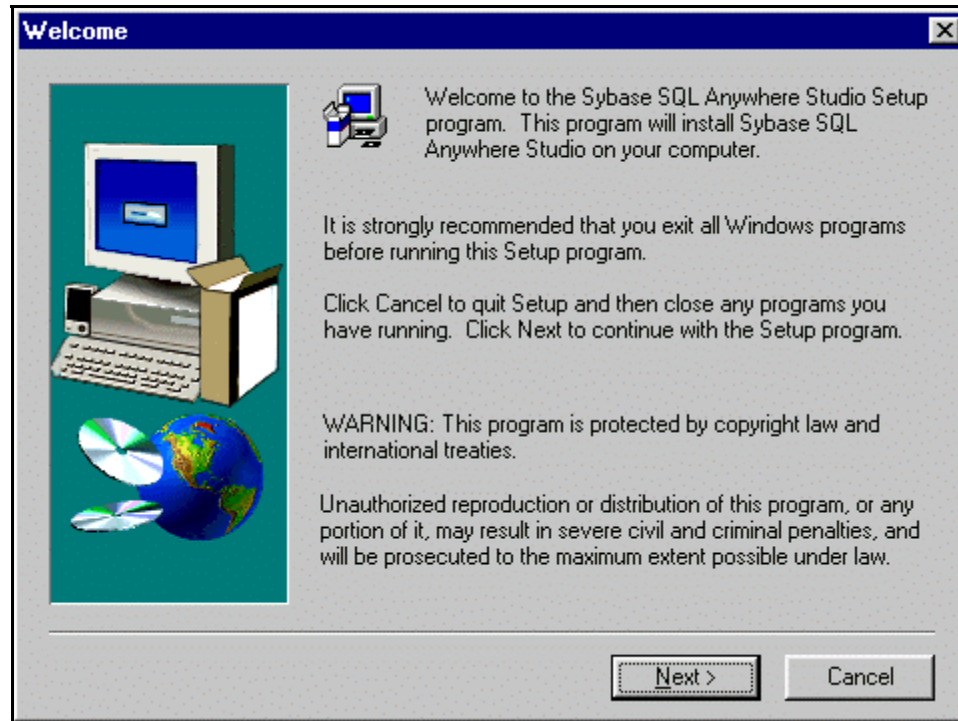


Figure 2-1. Sybase SQL Anywhere Welcome Window

Step 3. Click **Next** on the SQL Anywhere Welcome window.

The License Agreement window appears.

Step 4. Read through the license agreement, and click **Yes**.

The Registration Number window appears (see Figure 2-2).

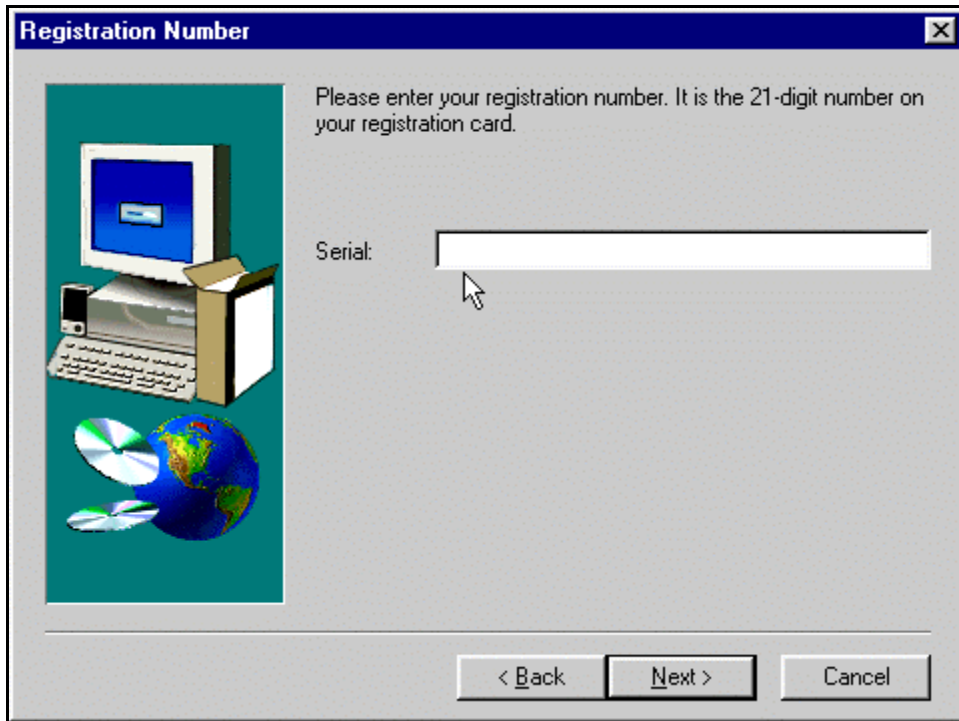


Figure 2-2. Registration Number Window

- Step 5.** Click in the **Serial** box, and enter in the serial number for the software. Click **Next** when you are finished.

The Select Components window appears (see Figure 2-3).

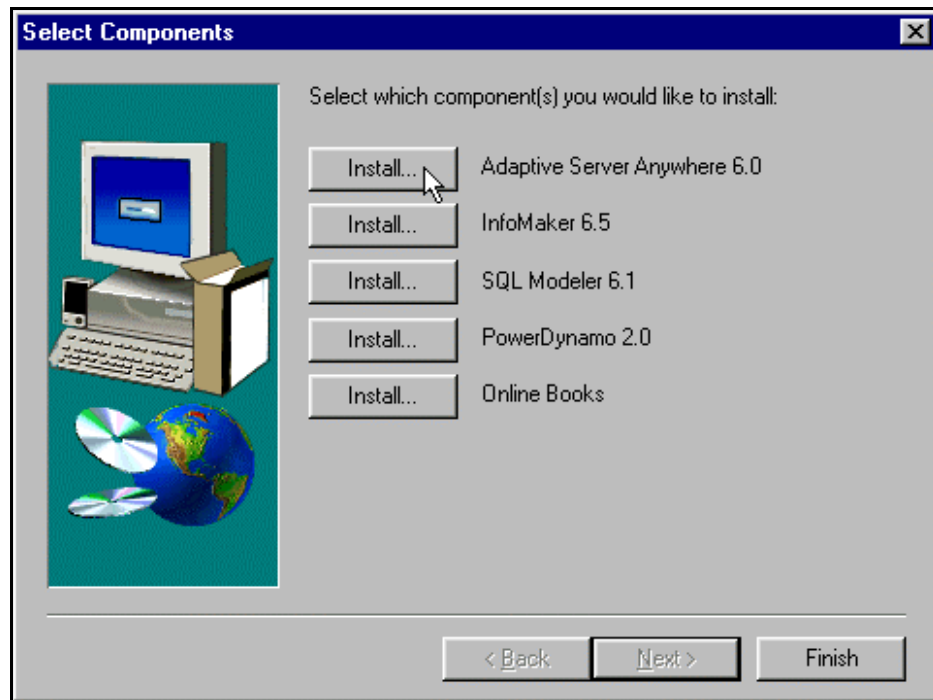


Figure 2-3. Select Components Window

Step 6. Click **Install** for Adaptive Server Anywhere 6.0.

The second Select Components window appears (see Figure 2-4).

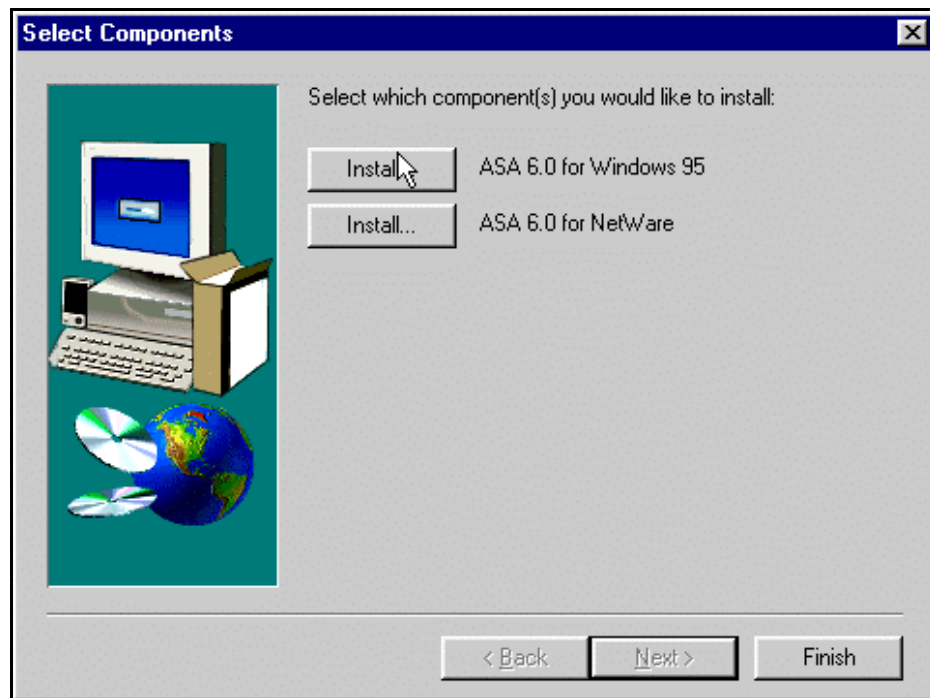


Figure 2-4. Select Components Window

Step 7. Click **Install** ASA 6.0 for Windows 95.

After you complete this step, the second part of the installation process begins. A welcome window similar to the one in Figure 2-1 appears. Proceed to the part two to finish the ASA 6.0 installation.

Part Two

An ASA 6.0 Welcome window is displayed (see Figure 2-5).



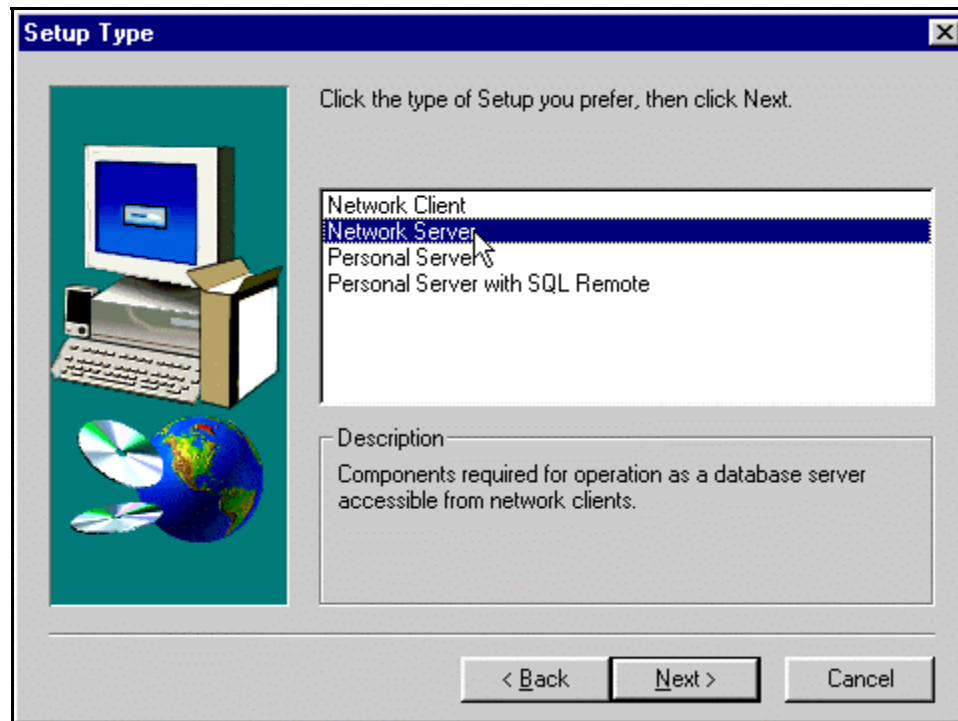
Figure 2-5. ASA 6.0 Welcome Window

Step 1. Click **Next** on the ASA 6.0 Welcome window.

The Choose Destination window appears.

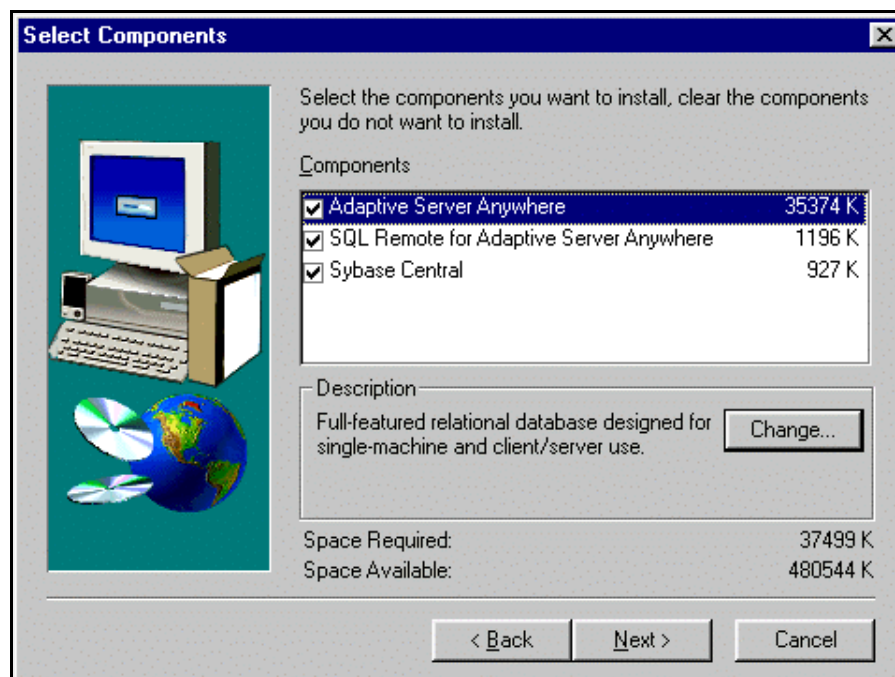
Step 2. Click **Next** on the Choose Destination window.

The Setup Type window appears (see Figure 2-6).

**Figure 2-6. Setup Type Window**

Step 3. Select the **Network Server** option, and then click **Next**.

The Select Components window appears (see Figure 2-7).

**Figure 2-7. Select Components Window**

Step 4. Make sure all the check boxes are checked, and then click **Next**.

The Start Copying Files window appears.

Step 5. Click **Next** on the Start Copying Files window.

A progress bar appears, and the ASA 6.0 software is installed.

After the software is installed, the Server License window appears (see Figure 2-8).

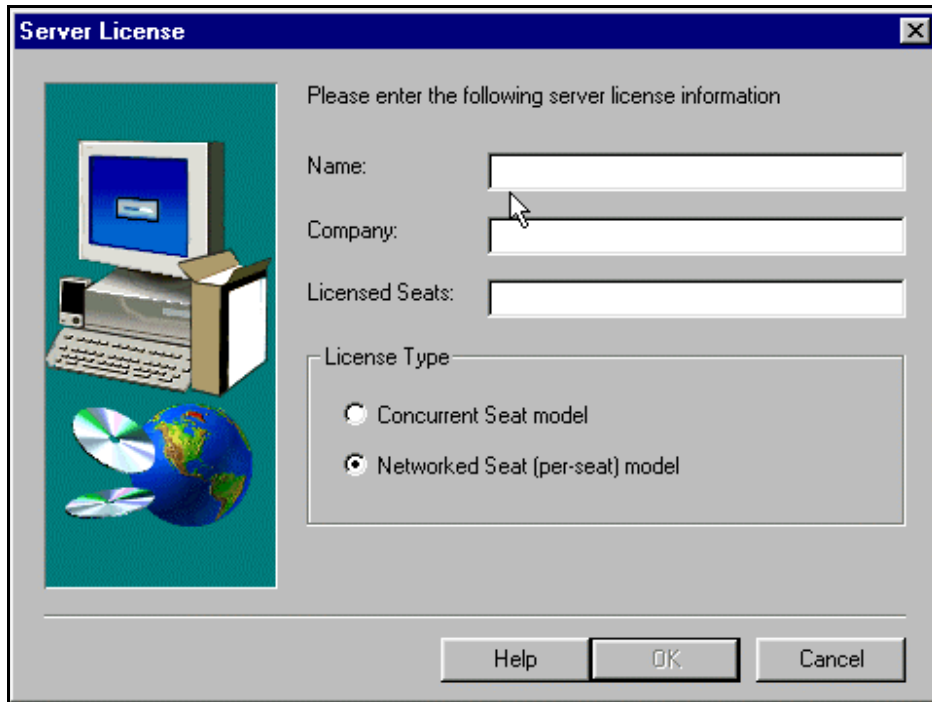


Figure 2-8. Server License Window

Step 6. Enter the proper information in each field. When you are finished, click **OK**.

The Setup Complete window appears.

Step 7. Clear the checkbox in the middle of the window, and click **Finish**.

You will return to the Select Components window from part one (see Figure 2-3).

Step 8. Click **Finish**.

Sybase ASA 6.0 is fully installed. Proceed to the next section to install the Intel Client tools.

2.2 Installing the Intel Client

The Intel Client installation CD-ROM contains software that guides you through the installation process. The Intel Client software consists of tools such as Intel Update and Intel Query.

The installation CD-ROM performs most of the installation activities; you will only be required to provide some basic information.

→ To install the Intel Client:

Step 1. Close all applications currently running. Make sure that C2PC is not running.

Step 2. Insert the Intel Client CD-ROM into the CD-ROM drive.

The installation program will launch automatically. The Welcome window appears (see Figure 2-9).

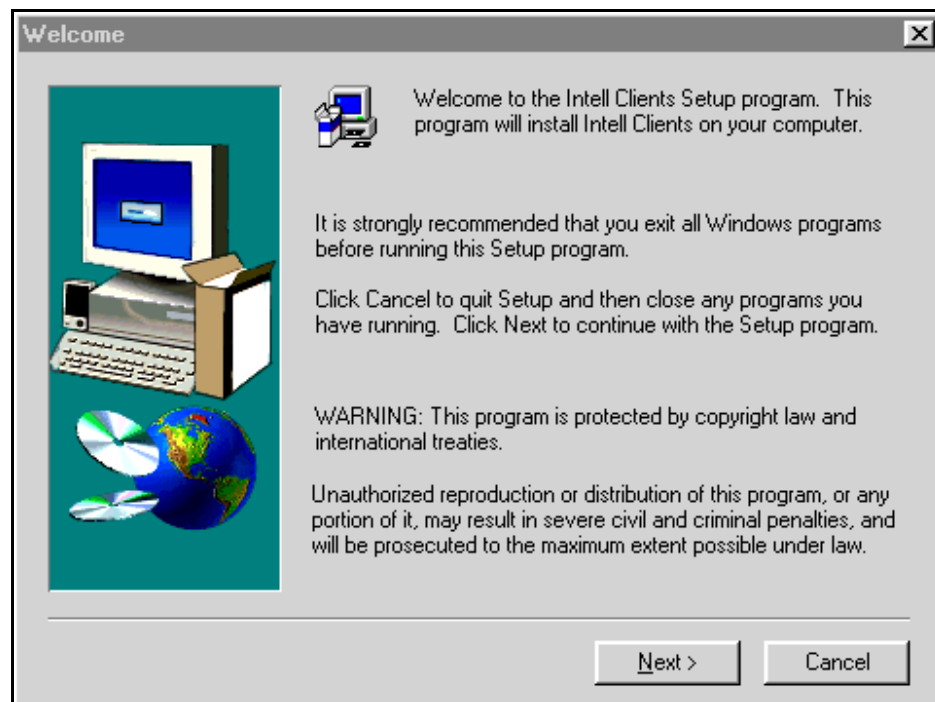


Figure 2-9. Intel Client Welcome Window

Step 3. Click **Next** on the Welcome window.

The Setup Types window appears.

Step 4. Click the **Full** installation option, and then click **Next**.

The IDMS Options window appears (see Figure 2-10).

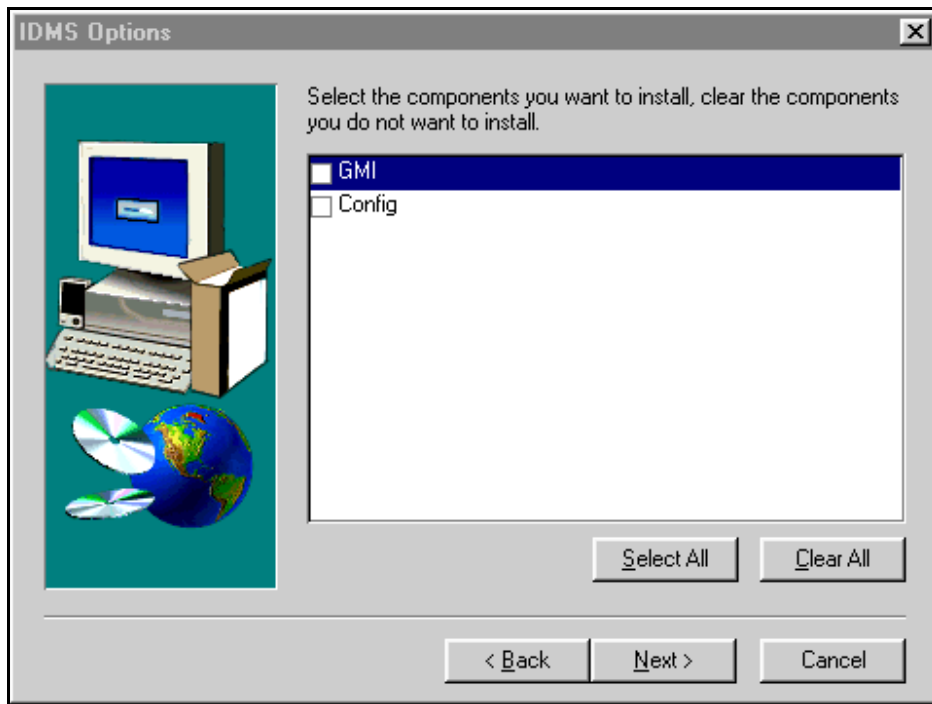


Figure 2-10. IDMS Options Window

Step 5. Click **Select All**, and then click **Next**.

The Release Notes window appears.

Step 6. Click **Next** on the Release Notes window.

The Intel Client Components window appears (see Figure 2-11).

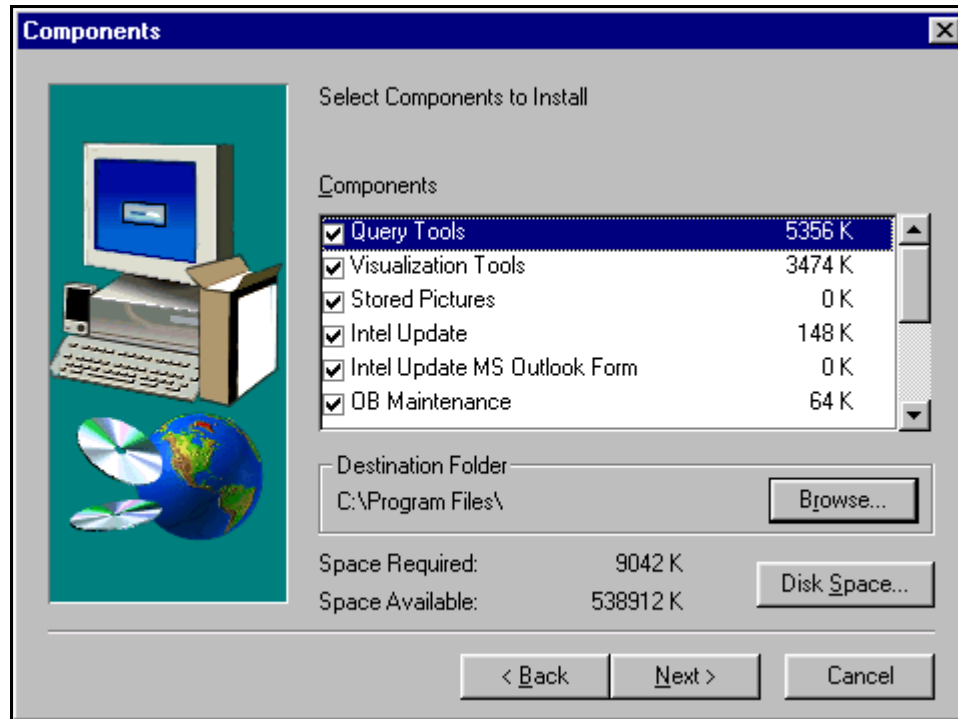


Figure 2-11. Intel Client Components

Step 7. Check that all of the Intel Client components are selected, and then click **Next**.

A progress bar appears, and the Intel Client components are installed.

After the Intel Client tools are installed, the program to install the GMI database file will automatically start. Go to the next section for instructions on installing the GMI database file.

2.3 Installing the GMI File

The GMI database file loads a database on to your local workstation so you can analyze and modify intelligence data.

CAUTION: The MIDB database file is classified as SECRET.

After the Intel Client tools are finished installing, the GMI installation program will automatically start. You will see a welcome window similar to the one in Figure 2-9.

→ **To load the GMI database file:**

Step 1. Click **Next** on the GMI Welcome window.

The Release Notes window appears.

Step 2. Click **Next** on the Release Notes window.

The Choose Destination window appears.

Step 3. Click **Next** on the Choose Destination window.

A progress bar appears. At the end of the installation, a completion message appears (see Figure 2-12)



Figure 2-12. GMI Completion Message

Step 4. Click **OK** on the GMI completion message.

After the GMI database file is installed, the Sybase Anywhere 6.0 ODBC and Sybase Client installation program automatically starts. Go to the next section for information on finishing the installation process.

2.4 Installing ODBC and the Sybase Client

After the GMI database file is installed, both the Sybase Anywhere 6.0 ODBC and the Sybase Open Client software will be installed.

The Sybase Anywhere 6.0 ODBC software is installed first. After the Intel Client installation, a progress bar appears. The Sybase Choose Destination window appears.

Step 1. Click **Next**.

Sybase 6.0 ODBC is installed. At the end of installation, a completion message appears.

Step 2. Click **OK**.

The Sybase Client installation begins. You will see a welcome screen similar to the one in Figure 2-1.

→ To install the Sybase Client:

Step 1. Click **Next** on the Sybase Client Welcome window.

The Information window appears.

Step 2. Read the release notes, and click **Next**.

The Choose Destination Location window appears.

Step 3. Click **Next** to install into the default location.

If you wish to select the installation location, click **Browse**, select the destination folder, then click **Next**.

The Setup Type window appears (see Figure 2-13).

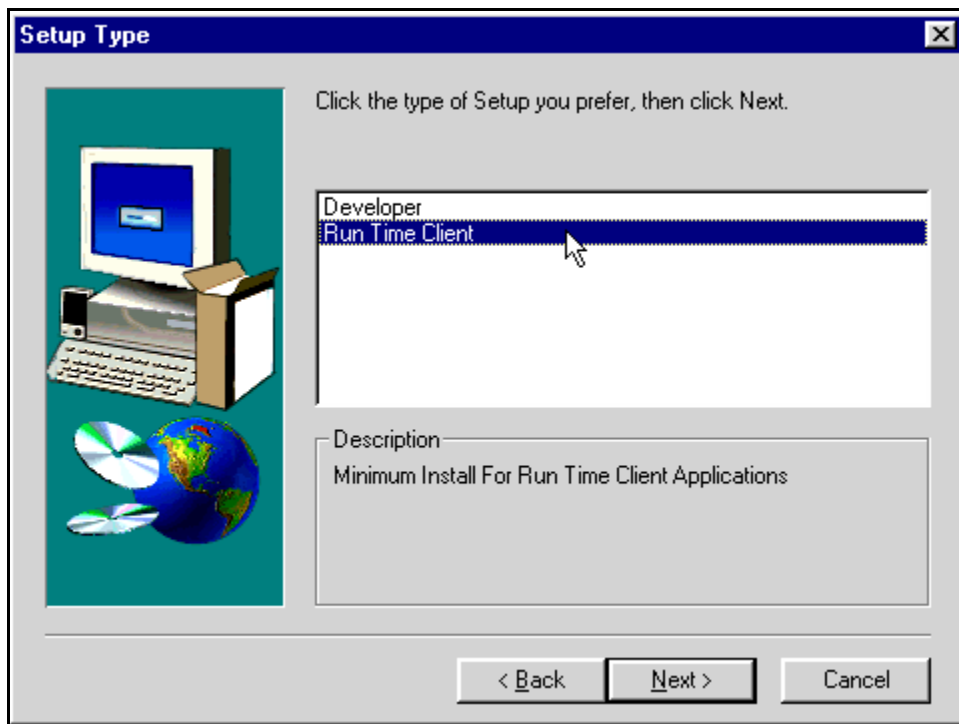


Figure 2-13. Sybase Client Setup Type Window

Step 4. Select **Run Time Client**, and then click **Next**.

A progress bar appears. After the Sybase Client software is installed, the Sybase Interfaces window appears (see Figure 2-14).

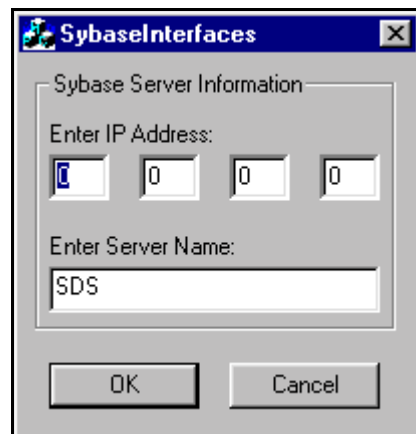


Figure 2-14. Sybase Interfaces Window

Step 5. Type the IP address and name of the ISDS you are connecting to. When you are finished, click **OK**.

The Setup Complete window appears (see Figure 2-15).

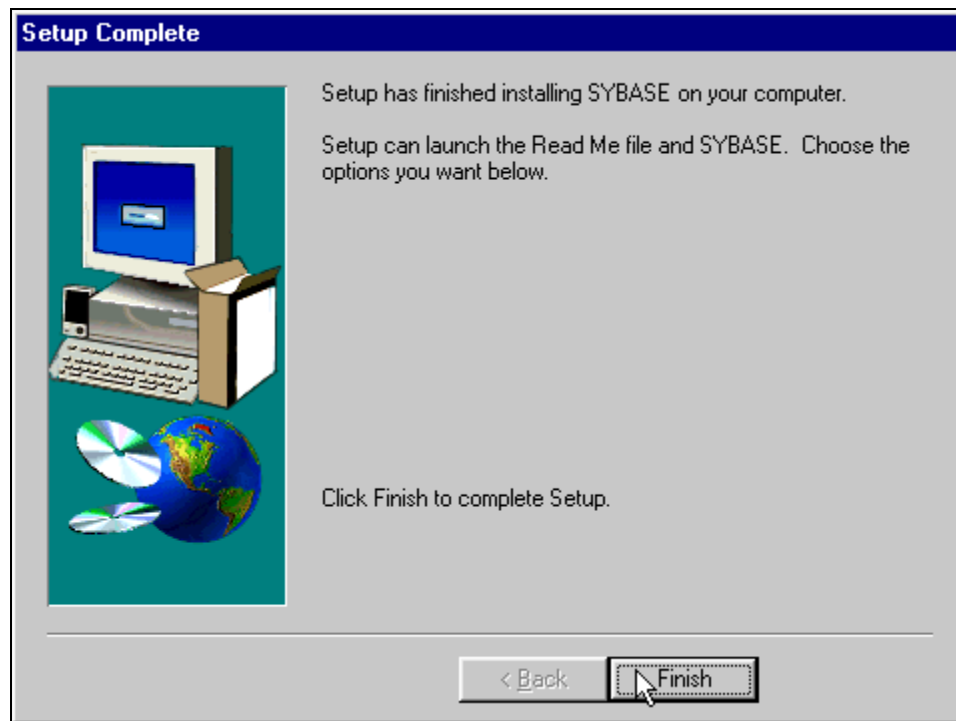


Figure 2-15. Sybase Setup Complete Window

Step 6. Click **Finish**.

The Setup Complete window appears (see Figure 2-16).

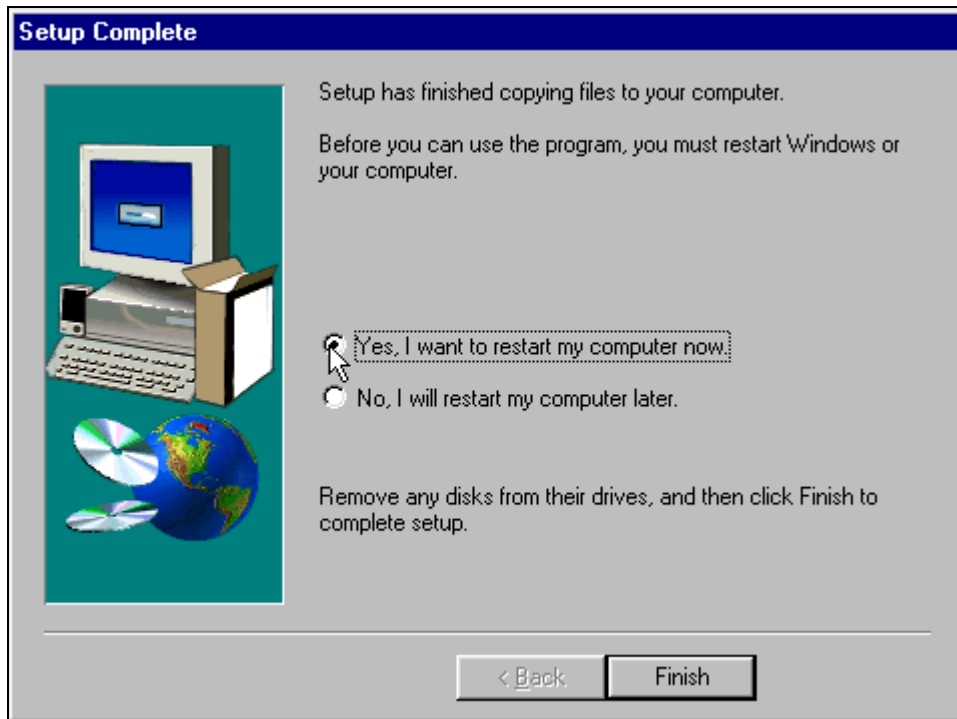


Figure 2-16. Setup Complete Window

- Step 7.** Click the **Yes, I want to restart my computer now** radio button, and then click **Finish**.

Your workstation will restart, and the Intel Client will be fully installed.

Section 3. Intelligence Analyst Configuration



Installing the Intel Client, 3-2

Installing ODBC and the Sybase Client, 3-4

The Intelligence Analyst workstation is used to analyze and update intelligence data. Unlike an IDMS workstation, there is no intelligence data stored on an Intelligence Analyst workstation. A connection to an IDMS or ISDS is needed to update intelligence data. Once connected, intelligence data can be viewed and modified.

3.1 Installing the Intel Client

The Intel Client installation CD-ROM contains software that guides you through the installation process. The Intel Client software consists of tools such as Intel Update and Intel Filters.

The installation CD-ROM performs most of the installation activities; you will only be required to provide some basic information.

→ To install the Intel Client:

Step 1. Close all applications currently running. Make sure that C2PC is not running.

Step 2. Insert the Intel Client CD-ROM into the CD-ROM drive.

The installation program will launch automatically. The Welcome window appears (see Figure 3-1).

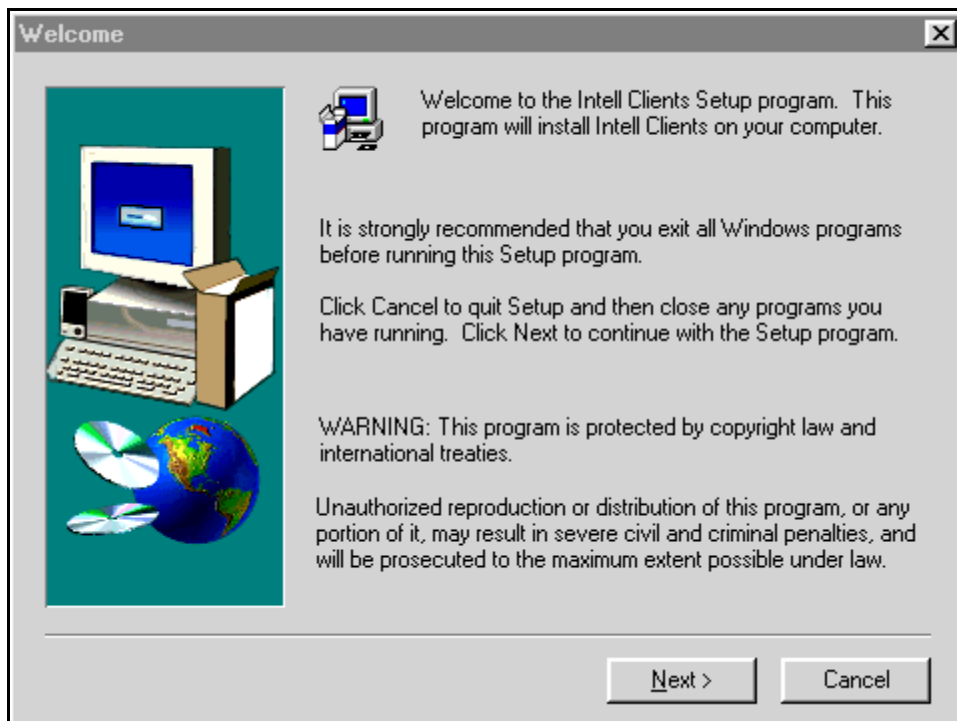


Figure 3-1. Intel Client Welcome Window

Step 3. Click **Next** on the Welcome window.

The Information window appears.

Step 4. Read the Intel Client release notes, and click **Next**.

The Setup Types window appears.

Step 5. Click the **Advanced** installation option, and then click **Next**.

The Information window appears.

Step 6. Read the release notes, and click **Next**.

The Intel Client Components window appears (see Figure 3-2)

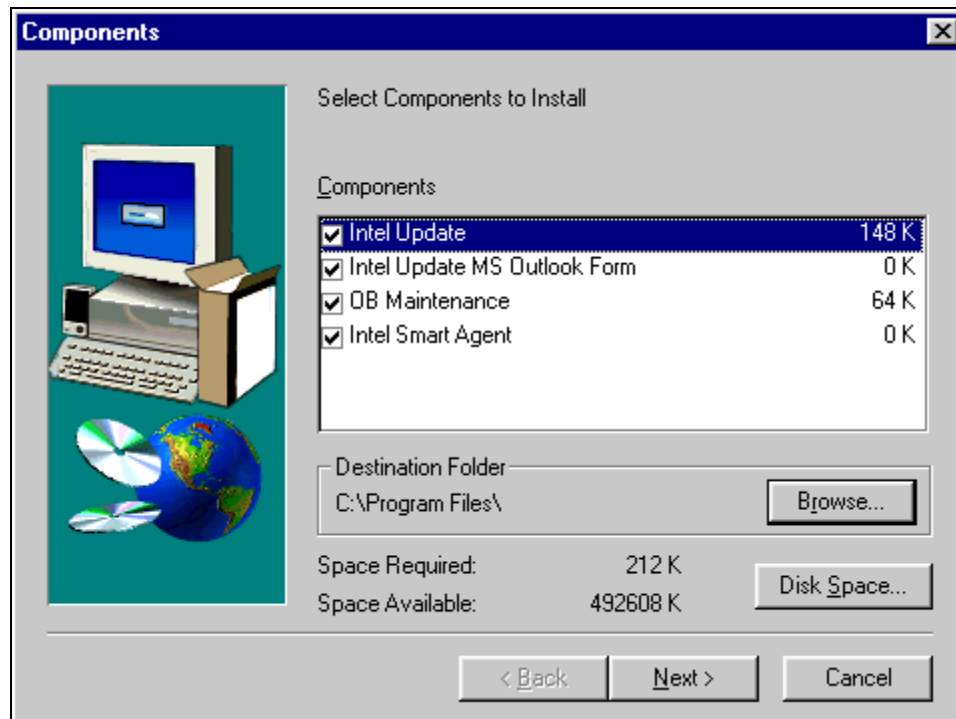


Figure 3-2. Intel Client Components Window

Step 7. Check that all of the Intel Client components are selected, and then click **Next**.

A progress bar appears, and the Intel Client components are installed.

After the Intel Client tools are installed, the Sybase Anywhere 6.0 ODBC and the Sybase Client installation program automatically starts. Go to Section 3.2, Installing ODBC and the Sybase Client, for information on installing the Sybase Client.

3.2 Installing ODBC and the Sybase Client

After the GMI database file is installed, both the Sybase Anywhere 6.0 ODBC and the Sybase Open Client software will be installed.

The Sybase Anywhere 6.0 ODBC software is installed first. After the Intel Client installation, a progress bar appears. The Sybase Choose Destination window appears.

Step 1. Click **Next**.

Sybase 6.0 ODBC is installed. At the end of installation, a completion message appears.

Step 2. Click **OK**.

The Sybase Client installation begins. You will see a welcome screen similar to the one in Figure 3-1.

→ To install the Sybase Client:

Step 1. Click **Next** on the Sybase Client Welcome window.

The Information window appears.

Step 2. Read the release notes, and click **Next**.

The Choose Destination Location window appears.

Step 3. Click **Next** to install into the default location.

If you wish to select the installation location, click **Browse**, select the destination folder, then click **Next**.

The Setup Type window appears (see Figure 3-3).

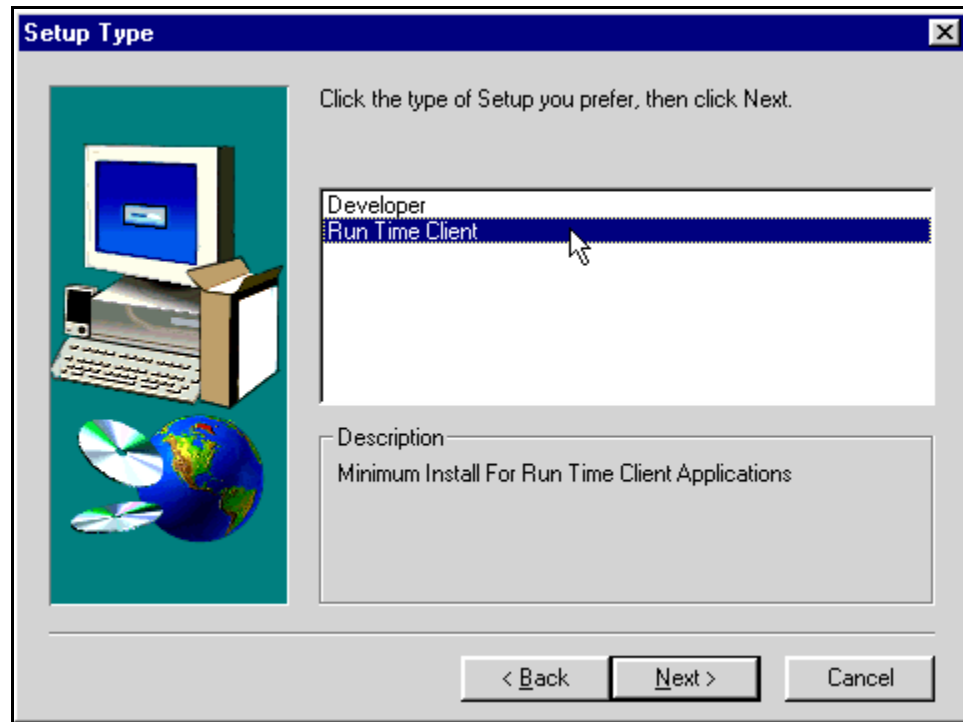


Figure 3-3. Sybase Client Setup Type Window

Step 4. Select **Run Time Client** option, and then click **Next**.

A progress bar appears. After the Sybase Client software is installed, the Sybase Interfaces window appears (see Figure 3-4).



Figure 3-4. Sybase Interfaces Window

Step 5. Type in the IP address and name of the ISDS you are connecting to. When you are finished, click **OK**.

The Setup Complete window appears (see Figure 3-5).

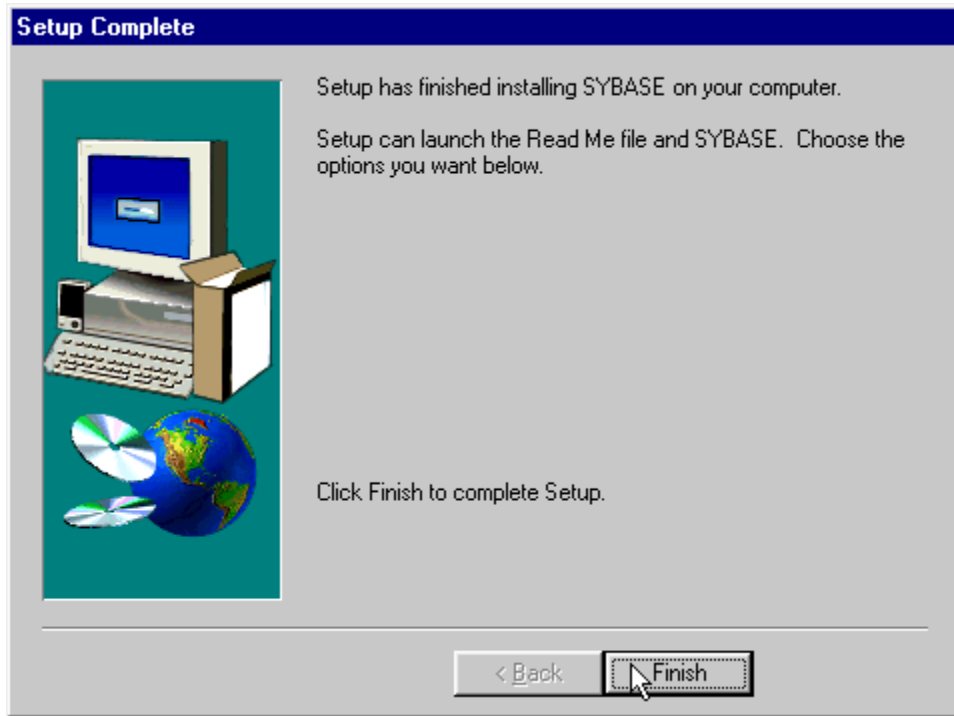


Figure 3-5. Sybase Setup Complete Window

Step 6. Click **Finish**.

The Setup Complete window appears (see Figure 3-6).

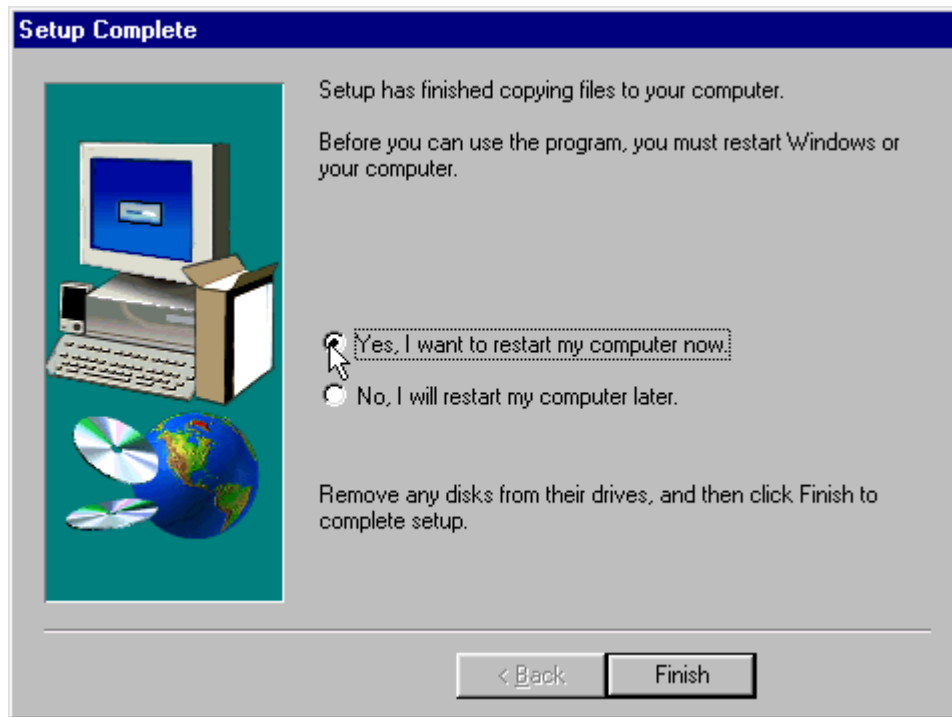


Figure 3-6. Setup Complete Window

- Step 7.** Click the **Yes, I want to restart my computer now** radio button, and then click **Finish**.

Your workstation will restart, and the Intel Client will be fully installed.

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Section 4. Intelligence Consumer Configuration



Installing the Intel Client, 4-2

Installing ODBC and the Sybase Client, 4-3

The Intelligence Consumer workstation is used to view intelligence data, but not make any changes. No intelligence data is stored on an Intelligence Consumer workstation. A connection to an IDMS or ISDS is needed to view intelligence data. Once connected, intelligence data can be viewed.

4.1 Installing the Intel Client

The Intel Client installation CD-ROM contains software that guides you through the installation process. The Intel Client software consists of tools such as Auto Plot, Intelligence Update, and Intel Filters.

The installation CD-ROM performs most of the installation activities; you will only be required to provide some basic information.

→ To install the Intel Client:

Step 1. Close all applications currently running. Make sure that C2PC is not running.

Step 2. Insert the Intel Client CD-ROM into the CD-ROM drive.

The installation program will launch automatically. The Welcome window appears (see Figure 4-1).

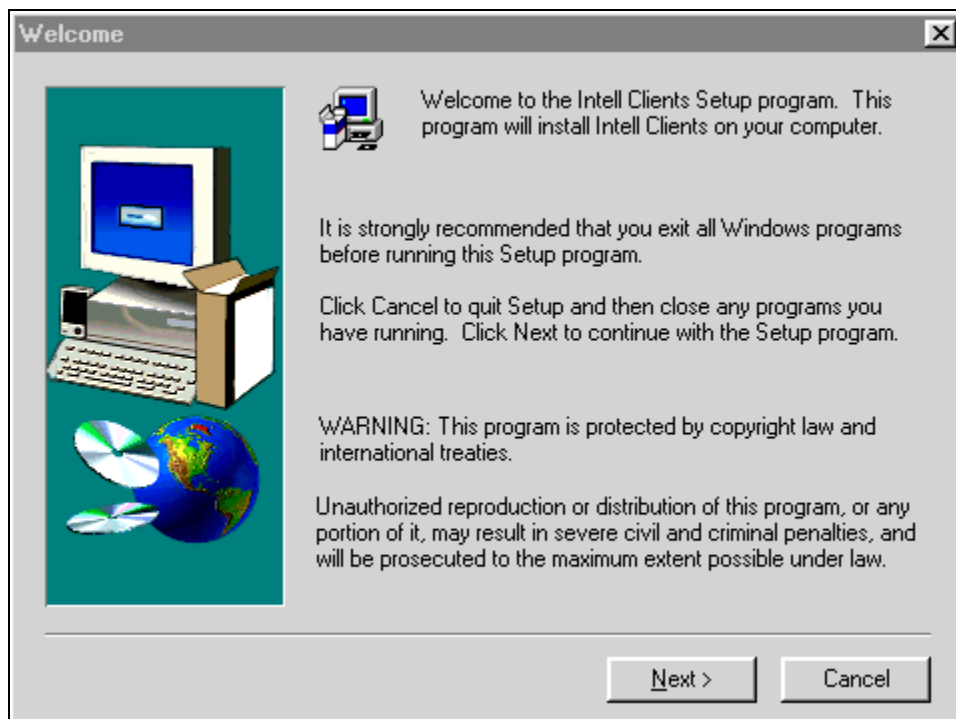


Figure 4-1. Intel Client Welcome Window

Step 3. Click **Next** on the Welcome window.

The Setup Types window appears.

Step 4. Click the **Basic** installation, and then click **Next**.

The Intel Client Components window appears (see Figure 4-2)

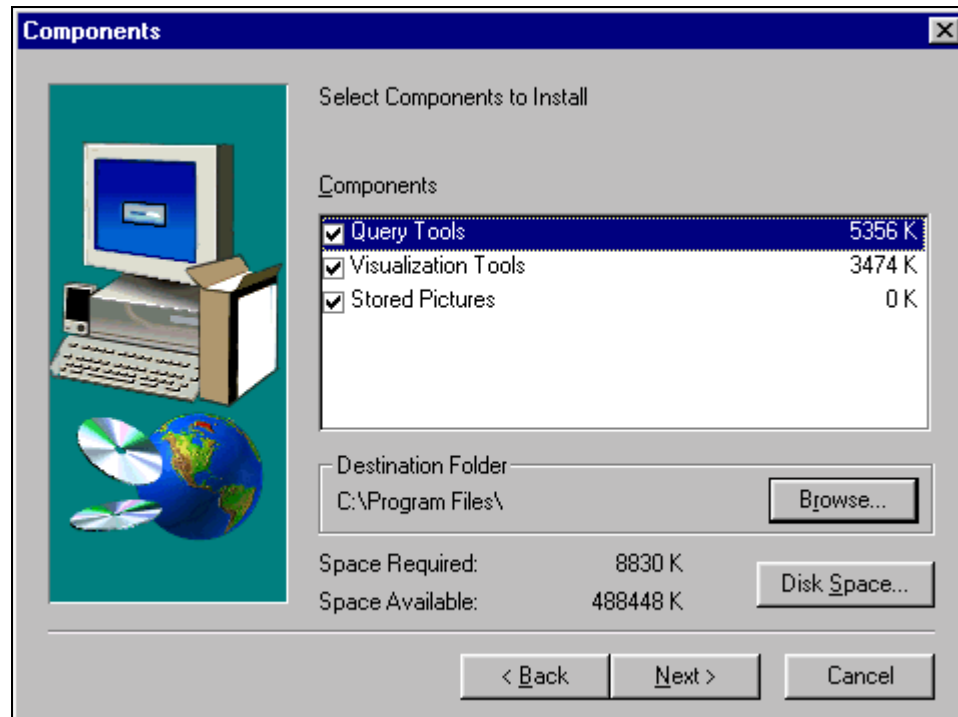


Figure 4-2. Intel Client Components Window

Step 5. Check that all of the Intel Client components are selected, and then click **Next**.

A progress bar appears, and the Intel Client components are installed.

After the Intel Client tools are installed, the Sybase Anywhere 6.0 ODBC and the Sybase Client installation program automatically starts. Go Section 4.2, Installing ODBC and the Sybase Client, for information on installing the Sybase Client.

4.2 Installing ODBC and the Sybase Client

After the GMI database file is installed, both the Sybase Anywhere 6.0 ODBC and the Sybase Open Client software will be installed.

The Sybase Anywhere 6.0 ODBC software is installed first. After the Intel Client installation, a progress bar appears. The Sybase Choose Destination window appears.

Step 1. Click **Next**.

Sybase 6.0 ODBC is installed. At the end of installation, a completion message appears.

Step 2. Click **OK**.

The Sybase Client installation begins. You will see a welcome screen similar to the one in Figure 4-1.

→ **To install the Sybase Client:**

Step 1. Click **Next** on the Sybase Client Welcome window.

The Information window appears.

Step 2. Read the release notes, and click **Next**.

The Choose Destination Location window appears.

Step 3. Click **Next** to install into the default location.

If you wish to select the installation location, click **Browse**, select the destination folder, then click **Next**.

The Setup Type window appears (see Figure 4-3).

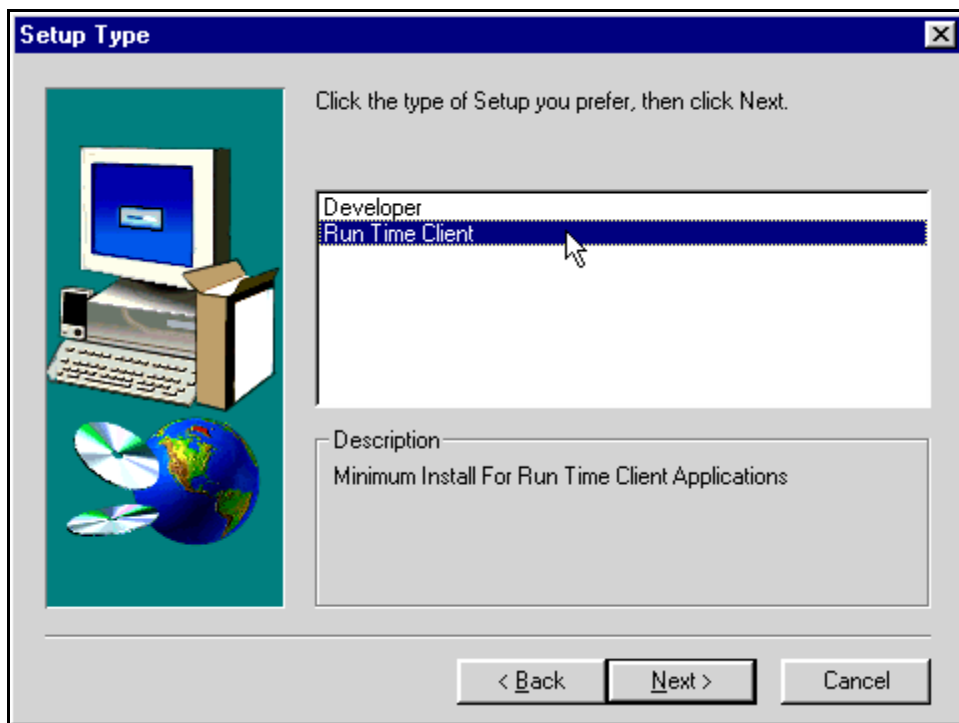


Figure 4-3. Sybase Client Setup Type Window

- Step 4.** Select **Run Time Client**, and then click **Next**.

A progress bar appears. After the Sybase Client software is installed, the Sybase Interfaces window appears (see Figure 4-4).



Figure 4-4. Sybase Interfaces Window

- Step 5.** Type the IP address and name of the ISDS you are connecting to. When you are finished, click **OK**.

The Setup Complete window appears (see Figure 4-5).

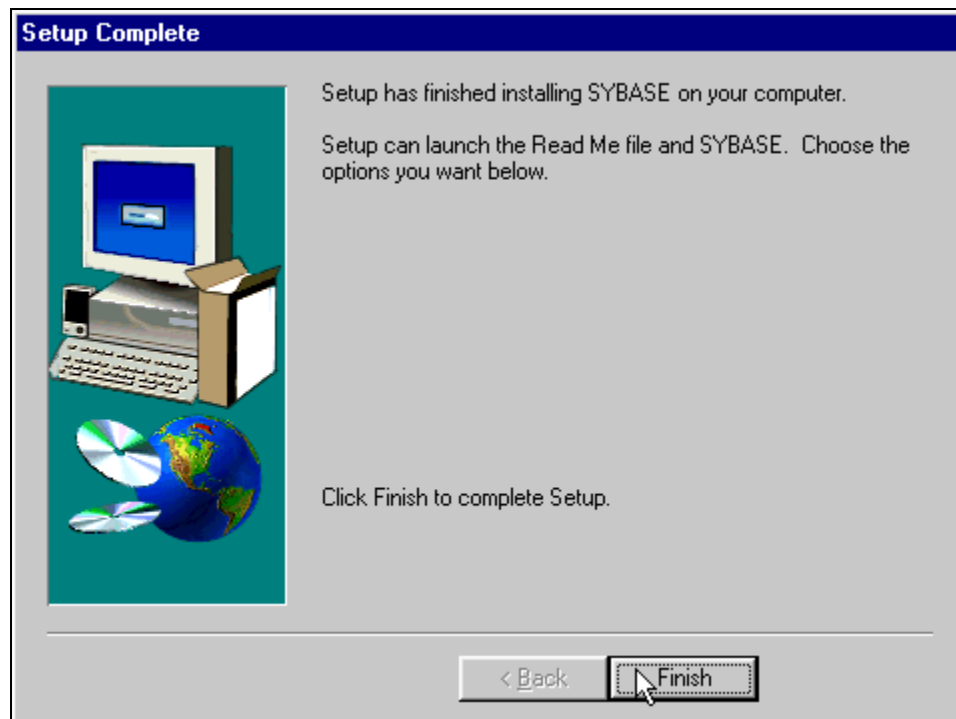


Figure 4-5. Sybase Setup Complete Window

Step 6. Click **Finish**.

The Setup Complete window appears (see Figure 4-6).

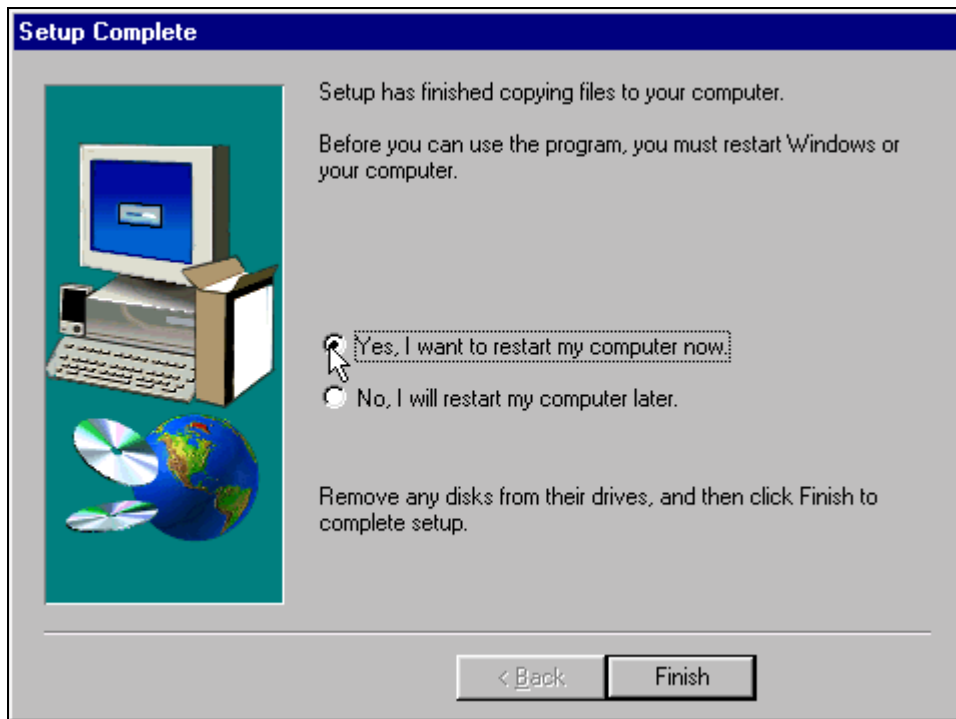


Figure 4-6. Setup Complete Window

Step 7. Click the **Yes, I want to restart my computer now** radio button, and then click **Finish**.

Your workstation will restart, and the Intel Client will be fully installed.

Section 5. Configuration Options



Stand Alone Mode, 5-2

IDMS and Multiple Intel Clients, 5-3

Intel Client to an ISDS, 5-4

Selecting a Data Source, 5-5

There are three different ways an Intel Client workstation can interact with other computer systems. The following sections detail each configuration option for an Intel Client workstation.

5.1 Stand Alone Mode

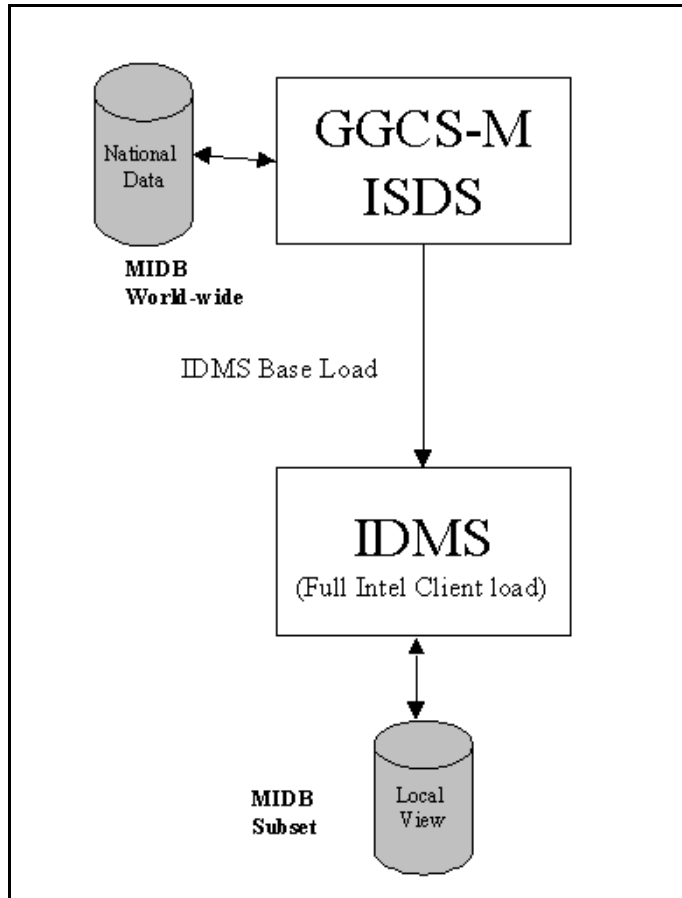


Figure 5-1. Stand Alone Mode

Features:

One workstation as the IDMS server and client. The IDMS loads a subset of data from an ISDS. The subset is stored on the IDMS workstation.

Requirements:

A full load of the Intel Client tools (see Section 2, IDMS Configuration). A connection to an ISDS to export data. Once data is exported from an ISDS, a connection is no longer needed.

5.2 IDMS and Multiple Intel Clients

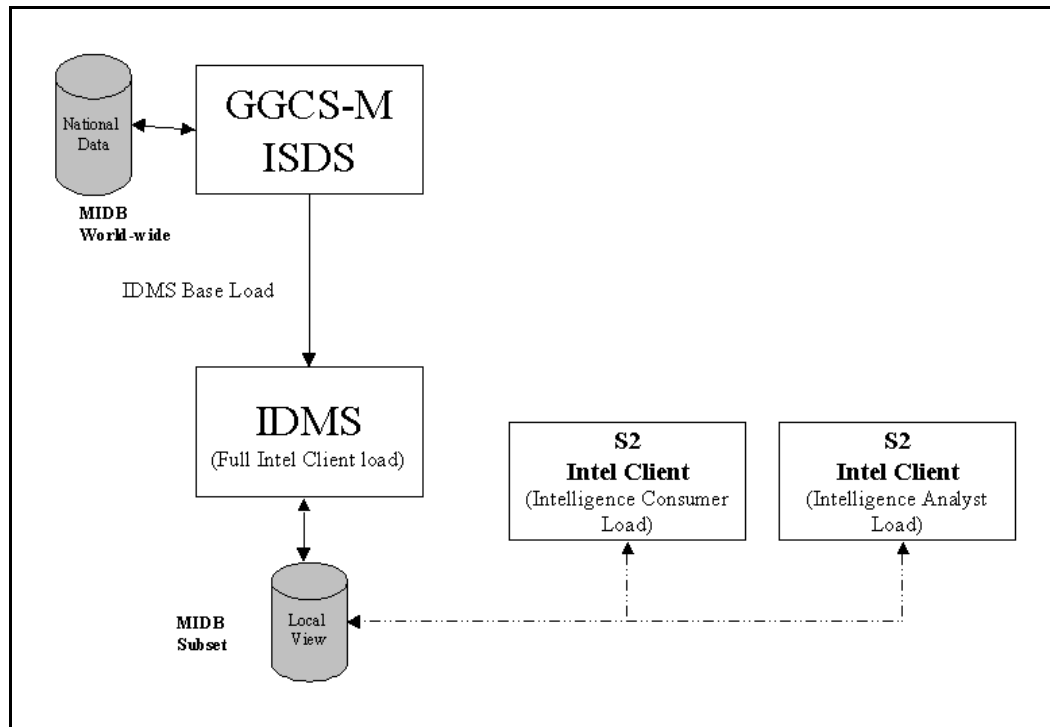


Figure 5-2. IDMS and Multiple Clients

Features:

One workstation configured as the IDMS with multiple clients connected via a Local Area Network (LAN).

Requirements:

One workstation configured as an IDMS. One or more clients with an Intelligence Consumer configuration (see Section Section 4, Intelligence Consumer Configuration) or Intelligence Analyst configuration (see Section Section 3, Intelligence Analyst Configuration). A connection from the IDMS to the clients.

5.3 Intel Client to an ISDS

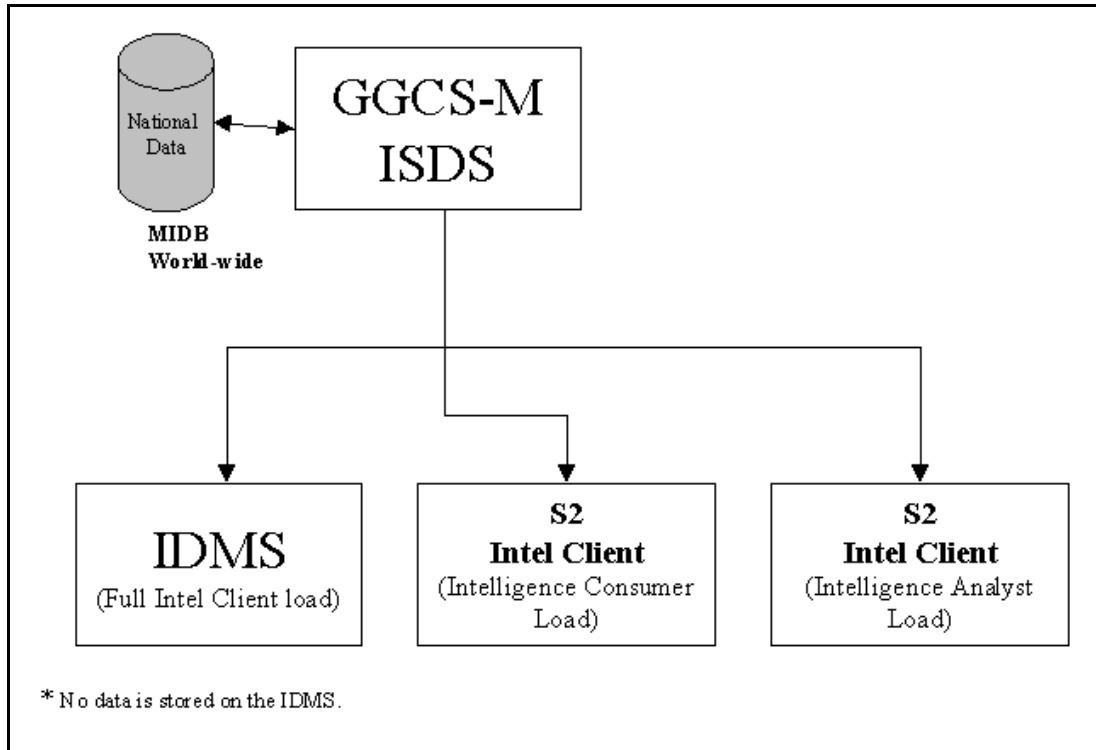


Figure 5-3. Intel Client to an ISDS

Features:

One or more Intel Clients accessing a Intelligence Shared Data Server (ISDS) via a LAN or a Wide Area Network (WAN).

Requirements:

One or more clients with the Intel Client tool loaded (any configuration). A connection from the ISDS to the client.

5.4 Selecting a Data Source

The Intel Client tool allows you to easily select your data source.

➔ **To select a data source:**

- Step 1.** Go to the **Start** menu, choose **Programs**, choose **MAGTF Intel Client 2.0**, select **Set Current Data Source**.

The General Intelligence Data Source window appears (Figure 5-4).

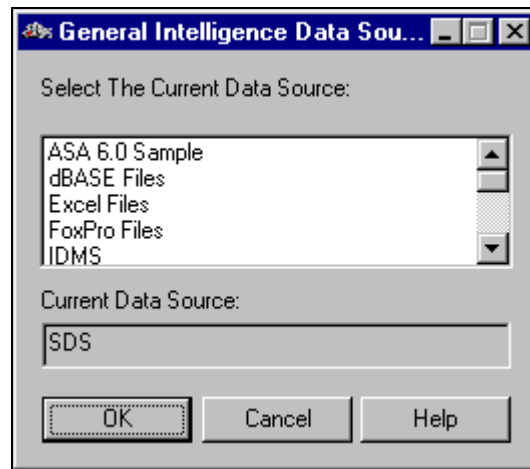


Figure 5-4. General Intelligence Data Source

- Step 2.** Select a data source from the list.

- Step 3.** Click **OK**.

The Intel Client will now gather data from the selected source.